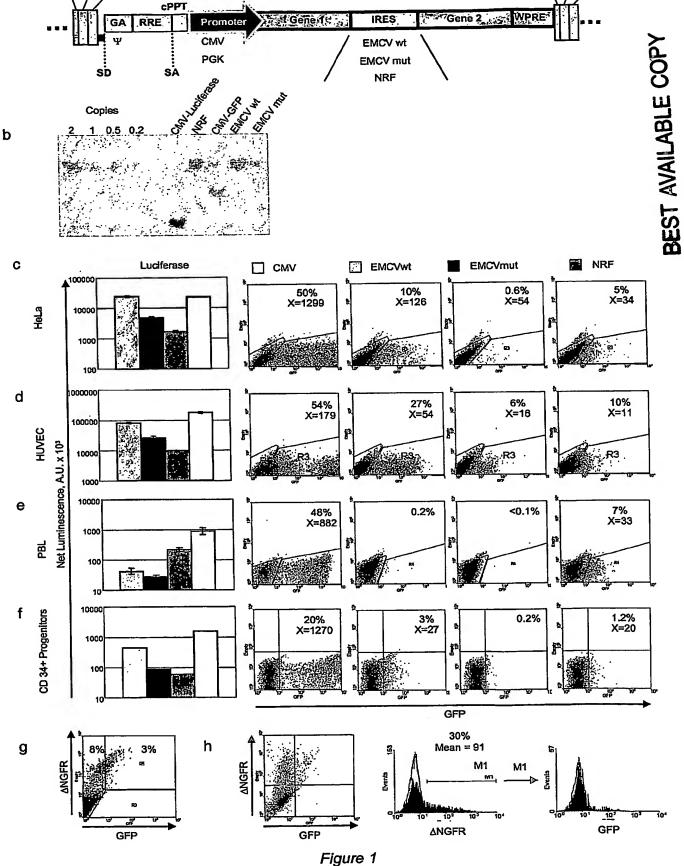
ΔU3 R U5

ΔU3 R U5

а



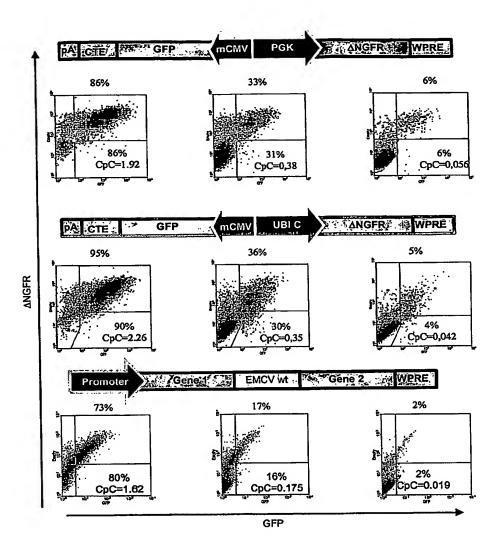
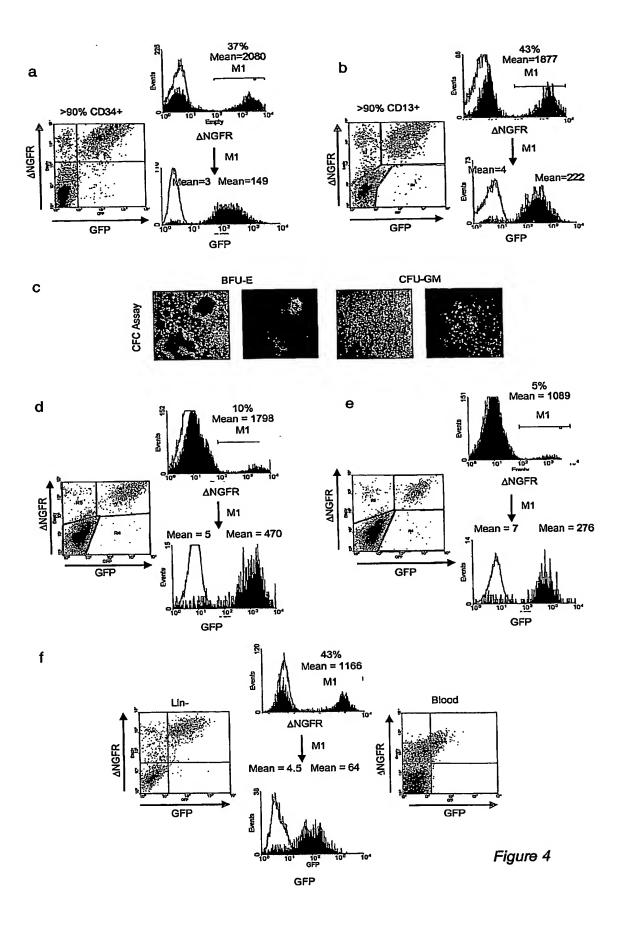


Figure 3



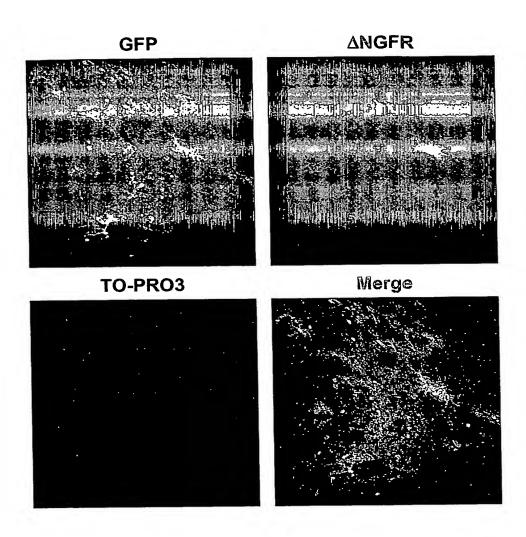


Figure 5

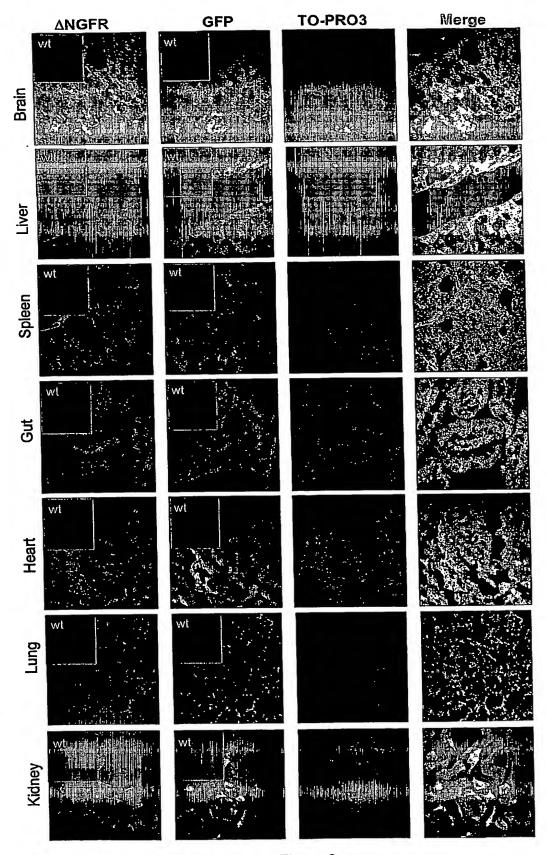


Figure 6

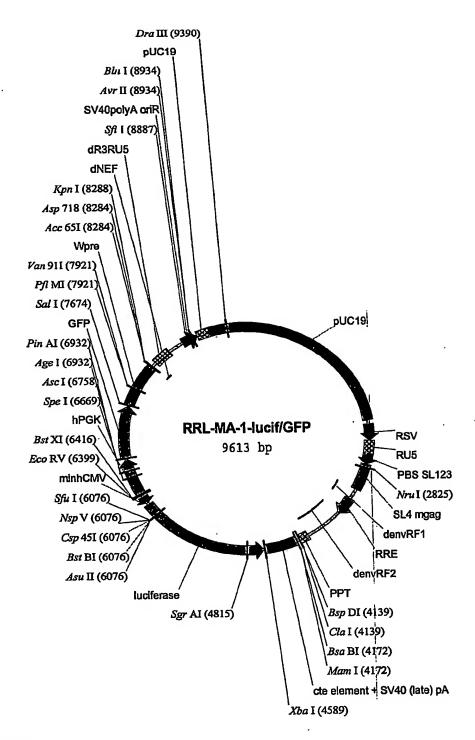


Fig 7a

Fig. 7b (1 of 3)

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Fig. 7b (2of 3)

gaatagaagaagaaggtggagagagagacagacagatccattcgattagtgaacggatctcgacggtatcggttaact tttaaaagaaaaggggggattggggggtacagtgcaggggaaagaatagtagacataatagcaacagacatacaaacta aagaattacaaaaacaaattacaaaaattcaaaattttatcgatcacgagactagcctcgagagatctgatcataatcagccat tigtta actt gittatt g cag cittata at ggtta caa at aa gg caa tag cat caca a at tica caa at tag gc at tittit cact g caa at tigta act gg caa at tittit cact g caa at tittit g cact gttctagttttggtttgtccaaactcatcatgtatcttatcatgtctggatctcaaatccctcggaagctgcgcctgtcttaggttggccttcttggcctttatgaggatctctctgatttttcttgcgtcgagttttccggtaagacctttcggtacttcgtccacaaacacaa aaacaacaacggcggcgggaagttcaccggcgtcatcgtcgggaagacctgcgacacctgcgtcgaagatgttggggtgttggagcaagatggattccaattcagcgggagccacctgatagcctttgtacttaatcagagacttcaggcggtcaacgat eggattgtttacataaceggacataatcataggaceteteacacacagttegeetetttgattaacgeecagegtttteeeggta aatagetgatgtagteteagtgageceatateettgeetgataeetggeagatggaaeetettggeaaeegetteeeegaett a aggaga at agggt t g cac ag cag cac ett t gaat ctt g taat cet g aag get c'et cagaa ac ag ct ctt cat can at ctt gaat cat get get can a catacattaagacgactcgaaatccacatatcaaatatccgagtgtagtaaacattccaaaaccgtgatggaatggaacaaca aggcagagcgacacctttaggcagaccagtagatccagaggagttcatgatcagtgcaattgtcttgtccctatcgaagga ctctggcacaaaatcgtattcattaaaaccgggaggtagatgagatgtgacgaacgtgtacatcgactgaaatccctggtaa tccgttttagaatccatgataataattttttggatgattgggagctttttttgcacgttcaaaattttttgcaacccctttttggaaaccgattggaaaccattggaaaccgattggaaaccgattggaaaccgattggaaaccgattggaaaccattggaaaccgattggaaaccgattggaaaccaa a cac acgg tagg ctg cgaa atgcccatactg ttg ag caattcacgt tcattata a atgtcg ttcg cgg gcg caactg caattcacgg tagget to the control of the conctccgataaataacgcgcccaacaccggcataaagaattgaagaggttttcactgcatacgacgattctgtgatttgtattca gcccatatcgtttcatagcttctgccaaccgaacggacatttcgaagtactcagcgtaagtgatgtccacctcgatatgtgcat ctgtaaaagcaattgttccaggaaccagggcgtatctcttcatagccttatgcagttgctctccagcggttccatcttccagcg gatagaatggcgccgggcctttctttatgtttttggcgtcttccatggtgaattccgcggaggctggatcggtcccggtgtcttc tatggaggtcaaaacagcgtggatggcgtctccaggcgatctgacggttcactaaacgagctctgcttatataggcctccca ccgtacacgcctaccctcgagaagcttgatatcgaattcccacggggtttggggtttgcgccttttccaaggcagccctgggtt tgcgcagggacgcggctgctctgggcgtggttccgggaaacgcagcggcggccgaccctgggtctcgcacattcttcacg tccgttcgcagcgtcacccggatcttcgccgctacccttgtgggccccccggcgacgcttcctgctccgcccctaagtcgg gaaggtteettgeggttegeggegtgeeggaegtgacaaaeggaageegeaegteteaetagtaeeetegeagaeggae agegecagggageaatggeagegegecgaeggatgggetgtggecaatageggetgeteageggggegegega tgttccgcattctgcaagcctccggagcgcacgtcggcagtcggctccctcgttgaccgaatcaccgacctctctccccag ggggatccaccggtcgccaccatggtgagcaagggcgaggagctgttcaccggggtggtgcccatcctggtcgagctg gacggcgacgtaaacggccacaagttcagcgtgtccggcgagggcgagggcgatgccacctacggcaagctgaccct gaagttcatctgcaccaccggcaagctgcccgtgccctggcccaccctcgtgaccaccctggcctacggcgtgcagtgcttcag ccg ctaccccg accacat gaag cag cac gact to tt caag tccg ccat gcccg aag gctac gtccag gag cgcaccccc gact gcccg aag gctac gccac gact gcccg aag gccac gccat gccca gccat gatcttcttcaaggacgacggcaactacaagacccgcggcgaggtgaagttcgagggcgacaccctggtgaaccgcatcg agctgaagggcatcgacttcaaggaggacggcaacatcctggggcacaagctggagtacaactacaacagccacaacg totatate at ggccgacaage agaaggacggcate augst gaact teaugatee gccacaacateg aggacggcagegt totatate at ggccacaaggacggcagegt gaact teaugatee ggcacaaggacggcagegt gaact teaugatee ggcacaaggacggcageggcageggt gaact teaugatee ggcacaaggacggcageggt gaact gaactgeagetegeegaccactaccageagaacaccccateggegacggeecegtgetgetgeegacaaccactacetgag caccagtccgcctgagcaaagaccccaacgagaagcgcgatcacatggtcctgctggagttcgtgaccgccggg gatcactctcggcatggacgagctgtacaagtaaagcggccgcgtcgacaatcaacctctggattacaaaatttgtgaaag attgactggtattcttaactatgttgctccttttacgctatgtggatacgctgctttaatgcctttgtatcatgctattgcttcccgtattgcttcccgtattgcttcttaatgctattgcttcccgtattgcttcccgtattgcttcttaatgctattgcttcccgtattgcttcttaatgctattgcttcccgtattgctcccgt Fig. 7b (3 of 3)

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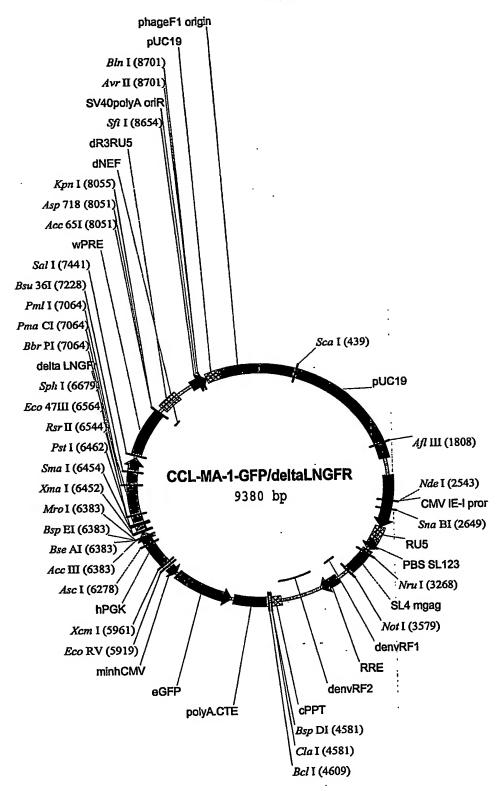


Fig. 8a

Fig. 8b (1 of 3)

caata accet gata a at get teaata at at t gaa aa aggaa gat at gag tat teaa catt t cegt g tege cet tat tee et titt the second of the second ofgcggcattttgccttcctgtttttgctcacccagaaacgctggtgaaagtaaaagatgctgaagatcagttgggtgcacgagtgggttacatcgaactggatctcaacagcggtaagatccttgagagttttcgccccgaagaacgttttccaatgatgagcacttt at gacttggttgagtactcaccagtcacagaaaagcatcttacggatggcatgacagtaagagaattatgcagtgctgccatagccggtgagcgtgggtctcgcggtatcattgcagcactggggccagatggtaagccctcccgtatcgtagttatctacacgacggggagtcaggcaactatggatgaacgaaatagacagatcgctgagataggtgcctcactgattaagcattggtaactat ctc at gaccaaa at ccct taacgt gag ttttcgttccact gag cgt cagaccccgt agaa aa gatcaa agg at cttctt gag at ctc at gag accccgt agaa aa gatcaa agg at cttctt gag accccgt agaa accccgt agaa agg at cttctt gag accccgt agaa accccgt agaa agg at cttct agaa agg at cttct agaa agg accccgt agaa agg at cttct agaa agg accccgt agg accccgt agg accccgt agaa agg acccgt agg acccgatcetttttttetgegegtaatetgetgettgeaaacaaaaaaaceacegetaceageggtggtttgtttgeeggateaagaget accaactettttteegaaggtaactggetteageagagegeagataccaaatactgteettetagtgtageegtagttaggee accacttcaagaactctgtagcaccgcctacatacctcgctctgctaatcctgttaccagtggctgctgccagtggcgataag acageceagettggagegaaegaeetacaeegaaetgagataeetaeagegtgagetatgagaaagegeeaegetteee gaagggagaaaggcggacaggtatccggtaagcggcagggtcggaacaggagagcgcacgagggagcttccaggg cggagcctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctgacattttgctcacatgttctttcctgcagcgagtcagtgagcgaggaagcggaagagcgccaatacgcaaaccgcctctccccgcgcgttggccgattcattaa geacce caggettta caetttat gette eggetegtat gtt gt ggaatt gt gageggat aacaattte acae aggaaa cageggat geggat geggatatgaccat gattacgccaagcgcgcaattaaccctcactaaagggaacaaaagctggagctgcaagcttggccattgcatacgtt g tatccatat cata at at a tatat at tatat t g g c t cat g t ca a cat tacc g c cat g t t g a cat t g a cat tatat a tatat g a cat tatat gatagtaatcaattacggggtcattagttcatagcccatatatggagttccgcgttacataacttacggtaaatggcccgcctgg ctgaccgccaacgaccccgcccattgacgtcaataatgacgtatgttcccatagtaacgccaatagggactttccattgacgtcaatagtaacgccaatagggactttccattgacgtcaatagtaacgccaatagggactttccattgacgtcaatagtaacgccaatagggactttccattgacgccaatagggactttccattgacgtcaatagggactttccattgacgccaatagggacgccaatagggactttccattgacgccaatagggacgccaatagggacgccaatagggacgccaataggacgcaataggacgccaataggacgccaataggacgcccgt caatgacggtaa atggcccgcctggcattatgcccagtacatgaccttatgggactttcctacttggcagtacatctacgtaagteteeaceccattgaegteaatgggagtttgttttggeaceaaaateaaegggaettteeaaaatgtegtaacaaeteeg ccccattgacgcaaatgggcggtaggcgtgtacggtgggaggtctatataagcagagctcgtttagtgaaccggggtctct gtgcttcaagtagtgtgtgcccgtctgttgtgtgactctggtaactagagatccctcagacccttttagtcagtgtggaaaatct ctagcagtggcgcccgaacagggacctgaaagcgaaagggaaaccagagctctctcgacgcaggactcggcttgctga aaagaaaaaatataaattaaaacatatagtatgggcaagcagggagctagaacgattcgcagttaatcctggcctgttagaa acatcagaaggctgtagacaaatactgggacagctacaaccatcccttcagacaggatcagaagaacttagatcattatata agcaaaacaaaagtaagaccaccgcacagcaagcggccgctgatcttcagacctggaggaggagatatgagggacaatgtgcagagagaaaaaagagcagtgggaataggagctttgttccttgggttcttgggagcagcaggaagcactatgggcgc agceteaatgaegetgaeggtaeaggeeagaeaattattgtetggtatagtgeageageagaaeaatttgetgagggetatt

Fig. 8b (2 of 3)

gaggcgcaacagcatctgttgcaactcacagtctggggcatcaagcagctccaggcaagaatcctggctgtggaaagata cctaa aggat caa cag ctcct gggg att tt ggg gt tt gt ctct ggaa aact catt tt gcac cact gct gt gcctt ggaa tt gt gt general genergagta ataa at ctctggaa cagattggaatca cacacacctggatggatgggacagagaa at taaca aattacacaa gcttaatacactccttaattgaagaatcgcaaaaccagcaagaaaagaatgaacaagaattattggaattagataaatgggcaagttt gtggaattggtttaacataacaaattggctgtggtatataaaattattcataatgatagtaggaggcttggtaggtttaagaatag tttttgctgtactttctatagtgaatagagttaggcagggatattcaccattatcgtttcagacccacctcccaaccccgagggg tcgacggtatcggttaacttttaaaagaaaaggggggattggggggtacagtgcaggggaaagaatagtagacataatag caacagacatacaaactaaagaattacaaaaacaaattacaaaaatttaatagatcacgagactagcctcgagag at ctg at cata at cag ccatacca cattt g tag ag g tttta ctt g cttta aaa aa acctccca cac ctccccct g aacct g aa acca cat ctccca cacact ctccccct g aacct g aa acca cat ctccca cacact ctccccc g aacct g aa acca cat ctccca cacact ctcccccc g aacct g aa acca cacact g accact g accactaaaatgaatgcaattgttgttgttaacttgtttattgcagcttataatggttacaaataaggcaatagcatcacaaatttcacaaata agg cat ttttttc act g cat te tag tttt g g ttt g te caa act cat cat g tat cat g te tag g at ctcaa at ce te cag g a agg cat tttttt te cat g te tag g at ctcaa at ce te cat g te tag g at ctcaa at ce te cat g te tag g at ctcaa at ce te cat g te tag g at ctcaa at ce te cat g te tag g at ctcaa at ce te cat g te tag g at ctcaa at ce te cat g te tag g at ctcaa at ce te cat g te tag g at ctcaa at ce te cat g at ctcaa at ce tag g at ctcaa at ce te cat g at ctcaa at ce cat g at ctcaa at ctcat g at ctcaa at ctcaa at ctcat g at ctcaa at ctcctgcgcctgtcttaggttggagtgatacatttttatcacttttacccgtctttggattaggcagtagctctgacggccctcctgtctgaattggccgctttacttgtacagctcgtccatgccgagagtgatcccggcggcggtcacgaactccagcaggaccatgtg $atcgcgcttctcgttggggtctttgctcagggcggactgggtgctcaggtagtggttg\underline{t}cgggcagcagcacggggccgtc$ gccgatgggggtgttctgctggtagtggtcggcgagctgcacgctgccgtcctcgatgttgtggcggatcttgaagttcaccttgatgccgttcttctgcttgtcggccatgatatagacgttgtggctgttgtagttgtactccagcttgtgccccaggatgttgccgtcctccttgaagtcgatgcccttcagctcgatgcggttcaccagggtgtcgccctcgaacttcacctcggcgcgggtcttgtagttgccgtcgtccttgaagaagatggtgcgctcctggacgtagccttcgggcatggcggacttgaagaagtcgtgctgcttcat g t g g t c g g g t a g c g c t g a g c a c g c g t g g t c a c g g g t g g c c a g g g c a c g g g t a g g t c a c g g g t g g c c a g g g c a c g g g c a c g g g t a g g t c a c g g g t g g c c a g g g c a c g g ggcttgccggtggtgcagatgaacttcagggtcagcttgccgtaggtggcatcgccctcgccctcgccggacacgctgaact tgtggccgtttacgtcgccgtccagctcgaccaggatgggcaccaccccggtgaacagctcctcgcccttgctcaccatggtgaattccgcggaggctggatcggtcccggtgtcttctatggaggtcaaaacagcgtggatggcgtctccaggcgatctga cggttcactaaacgagctctgcttatataggcctcccaccgtacacgcctaccctcgagaagcttgatatcgaattcccacgg ggttggggttgcgccttttccaaggcagccctgggtttgcgcagggacgcggctgctctgggcgtggttccgggaaacgc ccccggcgacgcttcctgctccgcccctaagtcgggaaggttccttgcggttcgcggacgtgacgacgtgacaaacggaagccgcacgtctcactagtaccctcgcagacggacagcgccagggagcaatggcagcgccgaccgcgatgggct ggggcggtagtgtgggccctgttcctgcccgcgggtgttccgcattctgcaagcctccggagcgcacgtcggcagtcgg ctcctcgttgaccgaatcaccgacctctctccccagggggatcccccgggctgcaggaattcgggccgcggccagctcc ggcgggcaggggggggggcgctggagcgcagcgcagccccatcagtccgcaaagcggaccgagctggaagtcg gacgttctccgacgtggtgagcgcgaccgagccgtgcaagccgtgcaccgagtgcgtggggctccagagcatgtcggc ggcgtgccgcgtgtgcgaggcgggctcgggcctcgtgttctcctgccaggacaagcagaacaccgtgtgcgaggagtg ccagctccgcgagtgcacacgctgggccgacgccgagtgcgaggagatccctggccgttggattacacggtccacacccccagagggctcggacagcacagccccagcacccaggagcctgaggcacctccagaacaagacctcatagccagca cggtggcaggtgtggtgaccacagtgatgggcagctcccagcccgtggtgacccgaggcaccaccgacaacctcatcc agagtcgagtctagagtcgacaatcaacctctggattacaaaatttgtgaaagattgactggtattcttaactatgttgctcctttt acgctatgtggatacgctgctttaatgcctttgtatcatgctattgcttcccgtatggctttcattttctcctccttgtataaatcctggttgctgtctctttatgaggagttgtggcccgttgtcaggcaacgtggcgtggtgtgcactgtgtttgctgacgcaacccccactggttggggcattgccaccacctgtcagctcctttccgggactttcgctttccccctcctattgccacggcggaactcatcg

Fig. 8b (3 of 3)

ccgcctgccttgcccgctggtggacaggggctcggctgttgggcactgacaattccgtggtgttgtcggggaagctgacgt cettte cat gg ct gc tc gc tg tg tt gc cac tt gg att ct gc gg gg ac gt cett tt gc tac gt cc ct tc gg cc ct caat cc ag ge gg ac gt cett to ge tac ge gg ac ge gg ac gt cett to ge tac ge gg ac ge gg ac gt cett to ge tac ge gg ac gcggaccttccttcccgcggcctgctgccggctctgcggcctcttccgcgtcttcgccttcgcctcagacgagtcggatctc cetttgggccgcctccccgcctggaattcgagctcggtacctttaagaccaatgacttacaaggcagctgtagatcttagccactttttaaaagaaaaggggggactggaagggctaattcactcccaacgaagacaagatctgctttttgcttgtactgggtctctctggttagaccagatctgagcctgggagctctctggctaactagggaacccactgcttaagcctcaataaagcttgccttga ctagcagtagtagttcatgtcatcttattattcagtatttataacttgcaaagaaatgaatatcagagagtgagaggaacttgttta gtccaaactcatcat gtatcttatcat gtct ggctctagctatcccgccctaactccgcccagttccgcccattctccgccccatggctgactaattttttttatttatgcagaggccgaggccgcctctgagctattccagaagtagtgaggaggcttttttggaggcctaggcttttgcgtcgagacgtacccaattcgccctatagtgagtcgtattacgcgcgctcactggccgtcgtttta caacg tcg tgactg ggaaaaccctg gcg ttacccaacttaatcg ccttg cagcacatccccctttcg ccagctg gcg taatagcgaagaggcccgcaccgatcgcccttcccaacagttgcgcagcctgaatggcgaatggcgcaccgcaccgccctgtagcg gcgcattaagcgcggcggtgtggtggttacgcgcagcgtgaccgctacacttgccagcgccctagcgcccgctcctttc getttetteetteettetegeeaegttegeeggettleeegteaagetetaaategggggeteeetttagggtteegatttag gccetttgacgttggagtccacgttctttaatagtggactcttgttccaaactggaacaacactcaaccctatctcggtctattctatattaacgtttacaatttcc

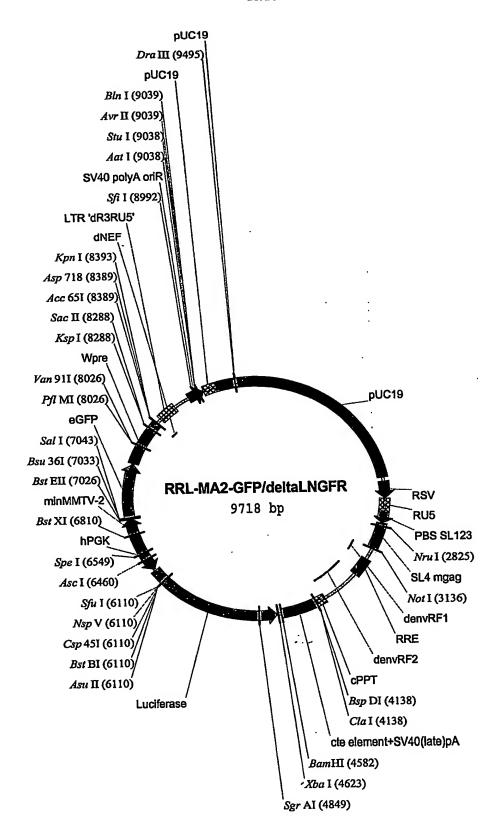


Fig. 9a

Fig. 9b (1 of 3)

geggeattttgeetteetgtttttgeteacceagaaacgetggtgaaagtaaaagatgetgaagateagttgggtgeacgagt gggttacatcgaactggatctcaacagcggtaagatccttgagagttttcgccccgaagaacgttttccaatgatgagcacttt taa agt tct gct at gt gg cg gg tat tat ccc gt at tga cg cg gg caa gag caac tc gg tc gcc gcat acac tat tct cag agt can be supported by the compact of the cat gacttggttgagtactcaccagtcacagaaaagcatcttacggatggcatgacagtaagagaattatgcagtgctgccataaccatgagtgataacactgcggccaacttacttctgacaacgatcggaggaccgaaggagctaaccgcttttttgcacaac agccggtgagcgtgggtctcgcggtatcattgcagcactgggggccagatggtaagccctcccgtatcgtagttatctacactggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccgtatcgtagttatctacactgggggccagatggtaagccctcccggtatcgtagttatctacactgggggccagatggtaagccctcccggtatcgtagttatctacactgggggccagatggtaagccctcccggtatcgtagttatctacactgggggccagatggtaagccctcccggtatcgtagttatctacactgggggccagatggtaagccctcccggtatcgtagttatctacactgggggccagatgggagatgggagatgggagatgggagatgggagatgggagatggggagatggagatggagagacggggggtcaggcaactatggatgaacgaaatagacagatcgctgagataggtgcctcactgattaagcattggtaact atctcatgaccaaaatcccttaacgtgagttttcgttccactgagcgtcagaccccgtagaaaagatcaaaggatcttcttgag atcetttttttetgegegtaatetgetgettgeaaacaaaaaaaceacegetaceageggtggtttgtttgeeggateaagaget a cage ceagettg gage gaac gaceta cacega act gagata ceta cage gt gaget at gagaa agege cac gette ceagett gagata consideration of the cogaagggagaaaggcggacaggtatccggtaagcggcagggtcggaacaggagagcgcacgagggagcttccaggg ggaaacgcctggtatctttatagtcctgtcgggtttcgccacctctgacttgagcgtcgatttttgtgatgctcgtcagggggg cggagcctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctggccttttgctcacatgttctttcctg cagcgagtcagtgagcgaggaagcggaagagcgccaatacgcaaaccgcctctccccgcgcgttggccgattcattaa tg cag ctg g cag g act g g cag tg ag c g caact g caatta at gtg ag ttag ctcact cattag g consideration of the constatgaccatgattacgccaagcgcgcaattaaccctcactaaagggaacaaaagctggagctgcaagcttaatgtagtctta tgcaatactcttgtagtcttgcaacatggtaacgatgagttagcaacatgccttacaaggagagaaaaagcaccgtgcatgc cgattggtggaagtaaggtggtacgatcgtgccttattaggaaggcaacagacgggtctgacatggattggacgaaccact gaattgccgcattgcagagatattgtatttaagtgcctagctcgatacaataaacgggtctctctggttagaccagatctgagc gtetgttgtgtgactetggtaactagagatecetcagaceettttagteagtgtggaaaatetetageagtggegeeegaaca acatatagtatgggcaagcagggagctagaacgattcgcagttaatcctggcctgttagaaacatcagaaggctgtagaca gtgtgcatcaaaggatagagataaaagacaccaaggaagctttagacaagatagaggaagagcaaaacaaaagtaagac caccgcacagcaagcggccgctgatcttcagacctggaggaggagatatgagggacaattggagaagtgaattatataaa cagtgggaataggagctttgttccttgggttcttgggagcagcaggaagcactatgggcgcagcctcaatgacgctgacggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatgggagcagcactatggagcagcactatggagcagcactatggagcagcactatggagcagcactatggagcagcactatggagcactatggagcagcactatggagcagcactatggagcagcactatggaggcaactcacagtctggggcatcaagcagctccaggcaagaatcctggctgtggaaagatacctaaaggatcaacagctcc tggggatttggggttgctctggaaaactcatttgcaccactgctgtgccttggaatgctagttggagtaataaatctctggaac agattggaatcacacgacctggatggagtgggacagagaaattaacaattacacaagcttaatacactccttaattgaagaa a at agagt tagg cagg gat at teaccatt at cgtt teagacceacct cecaaccee gagg ggaccega cagge cega agger and the second control of the control of Fig. 9b (2 of 3)

gaattacaaaaattacaaaaatttaaaaattttatcgatcacgagactagcctcgagagatctgatcataatcagccatac tagttttggtttgtccaaactcatcaatgtatcttatcatgtctggatctcaaatccctcggaagctgcgcctgtcttaggttggag tgatacatttttatcacttttacccgtctttggattaggcagtagctctgacggccctcctgtcttaggttagtgaaaaatgtcact caga t cetetaga attaca cgg cga t cttt cgc cettett gg cett tat gagg at ctetet gatt ttt ctt ge get ctt ctt gagg at ctetet gagt ttt cet gagg at ctetet gagg at ctetet gagg at ctetet gagg at ctete gaggtaagacettteggtaettegteeaaaacaeaacteeteegegeaactttttegeggttgttaettgaetggeeaegtaateeaegate tettttteegteategtettteegtgeteeaaaacaacaacagegeggggaagtteaceggegteategtegggaagacctgcgacacctgcgtcgaagatgttggggtgttggagcaagatggattccaattcagcgggagccacctgatagcctttgt act taat caga agact t cag g c g st caac g at g aa g a g t st c g t caga ag t at g t c t caga at g t ag c at g t caga ag t g tccatcettg tcaatcaagg cgttgg tcgcttccgg attgtttacataaccgg acataatcatagg acctctcacacacagttcgcccggtttat catcccctcgggtgtaat cagaatagctgatgtagtctcagtgagcccatatccttgcctgatacctggcagarder and the comparison of the cotggaacctcttggcaaccgcttccctgacttccttagagaggggagcgccaccagaagcaatttcgtgtaaattagataaataggete ct caga aa cagetet tette caa at ctata catta agae gae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at cega g t g tagta aa cagae tega aa tee acata te caa at at caa at at cega g t g tagta aa cagae tega aa tee acata tega aa tega aa tega aa tee acata tega aa tee acattccaaaaccgtgatggaatggaacaacacttaaaatcgcagtatccggaatgatttgattgccaaaaataggatctctggc atgcgagaatctcacgcaggcagttctatgaggcagagcgacacctttaggcagaccagtagatccagaggagttcatgat cagtgcaattgtcttgtccctatcgaaggactctggcacaaaatcgtattcattaaaaccgggaggtagatgagatgtgacga caa a attttttg caacccctttttg gaa ac gaa caccacgg tag gctgcgaa at gcccatactgttg ag caattcacgt tcattactg catacgacgattctgtgatttgtattcagcccatatcgtttcatagcttctgccaaccgaacggacatttcgaagtactcagcgtaagtgatgtccacctcgatatgtgcatctgtaaaagcaattgttccaggaaccagggcgtatctcttcatagccttatgcagatcccctggggagagaggtcggtgattcggtcaacgagggagccgactgccgacgtgcgctccggaggcttgcaga atgcggaacaccgcgcgggcaggaacagggcccacactaccgcccacaccccgcctcccgcaccgcccttcccgg ccgctgctctcggcgcgccccgctgagcagccgctattggccacagcccatcgcggtcggcgcgctgccattgctccctg gcgctgtccgtctgcgagggtactagtgagacgtgcggcttccgtttgtcacgtccggcacgcgcaaccgcaaggaac cttcccgacttaggggggggagcaggaagcgtcgccgggggggcccacaagggtagcggcgaagatccgggtgacgctg cgaacggacgtgaagaatgtgcgagacccagggtcggcgccgctgcgtttcccggaaccacgcccagagcagccgcg tccctgcgcaaacccagggctgccttggaaaaggcgcaaccccaaccccgtgggaattcgatatcaagcttgcctatgttcctaacattcttctctcgtgtgtttgtgtctgttcgccatcccgtctccgctcgtcacttatccttcacttttcagagggtccccccgc agateceggteacceteaggtegggtegacaaccatggtgageaagggeggaggagetgtteaceggggtggtgeceate ctggtcgagctggacggcgacgtaaacggccacaagttcagcgtgtccggcgagggcgatgccacctacgg caagetgaccetgaagtteatetgeaccaceggeaagetgecegtgecetggeceaccetegtgaccacectgacctacg gegtgeagtgetteageegetacceegaccacatgaageageacgacttetteaagteegecatgeeegaaggetacgte caggagcgcaccatcttcttcaaggacgacggcaactacaagacccgcgccgaggtgaagttcgagggcgacaccctggtgaaccgcatcgagctgaagggcatcgacttcaaggaggacggcaacatcctggggcacaagctggagtacaactaca a cag cca caa cg totat at cat gg ccga caa gcag aa gaa cg gcat caa gg t gaa ct t caa ga t ccg cca caa cat cgag according to the companion of the companion ofgacggcagcgtgcagctcgccgaccactaccagcagaacacccccatcggcgacggccccgtgctgctgcccgacaac cactacct gag cacccag teeg cect gag caa agae cecaa cgag aag cgeg at cacat gg teet get gag teeg tag agae cacat gag cccgccgcgggatcactctcggcatggacgagctgtacaagtaaagcggcctcgacaatcaacctctggattacaaaattt gtgaaagattgactggtattcttaactatgttgctccttttacgctatgtggatacgctgctttaatgcctttgtatcatgctattgct

Fig. 9b (3 of 3)

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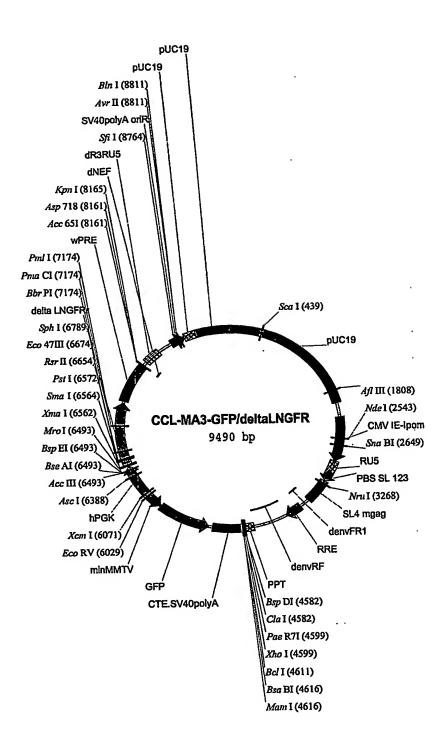


Fig. 10a

Fig. 10b (1 of 3)

caggtggcacttttcggggaaatgtgcgcggaacccctatttgtttatttttctaaatacattcaaatatgtatccgctcatgaga caataaccct gataaat gcttcaataat att gaaaa aggaa gatat gagtat tcaacatt tccgt gtcgccctt att cccttttttgggttacatcgaactggatctcaacagcggtaagatccttgagagttttcgccccgaagaacgttttccaatgatgagcacttttaa a gtt ct g ct at g t g g c g g g t at ta t c c g t at t g a c g g g c a a g a g c a a c t c g g t c g c g c at a c a c t at t c t c a g a g c a a g gatgacttggttgagtactcaccagtcacagaaaagcatcttacggatggcatgacagtaagagaattatgcagtgctgccat aaccatgagtgataacactgcggccaacttacttctgacaacgatcggaggaccgaaggagctaaccgcttttttgcacaac gacggggagtcaggcaactatggatgaacgaaatagacagatcgctgagataggtgcctcactgattaagcattggtaact gt cagac caa gtttact cata tata ctttagatt gatttaaaa ctt cattttaa atttaaa aggat ctaggt gaa gat ccttttt gataaaa ctt cattttaaa tataaa aggat ctaggt gaa gat ccttttt gataaaa ctt cattttaaa aggat ctaggt gaa gat ccttttt gataaaa ctt cattttaaa tataaa aggat ctaggt gaa gat cctttt gataaaa ctt cattttaaa aggat ctaggt gaa gat cctttt gataaaa ctt cattttaaa aggat ctaggt gaa gat cctttt gataaaa ctt cattttaaaaa ctt catttaaaaa ctt catttaaaaa gaa ctaggt gaa gat cctaggt gaa gat cctaatctcatgaccaaaatcccttaacgtgagttttcgttccactgagcgtcagaccccgtagaaaagatcaaaggatcttcttgag accaact ctttttccgaaggtaactggcttcagcagagcgcagataccaaatactgtccttctagtgtagccgtagttaggcca cage c cage t t g age c gaac gace ta cace gaac t gag at accta cage g t g age t at gag a a age g cace g ct t coce accept to the case of the case ofgaagggagaaaggcggacaggtatccggtaagcggcagggtcggaacaggagagcgcacgagggagcttccaggg ggaaacgcctggtatctttatagtcctgtcgggtttcgccacctctgacttgagcgtcgatttttgtgatgctcgtcagggggg cggagcctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctggccttttgctcacatgttctttcctg cagogagtcagtgagcgaggaagcggaagagcgcccaatacgcaaaccgcctctccccgcgcgttggccgattcattaa tg cag ctg g cac a g g ttt ccc g a ctg g a a a g c g g cag t g a g c g ca a ctg a a tta a t g t g a g tt a g ct cac t cat t a g ctg g cag ctg g ctggcaccccaggetttacactttatgettccggctcgtatgttgtgtggaattgtgagcggataacaatttcacacaggaaacagcgcataacaggaaacagcgcataggaaacagcgcataggaaacaggaaacagcgcataggaaacaggaaacagcgcataggaaacaggaaacagcgcataggaaacaggaaacaggaaacagcgcataggaaacaggaacaggaaacaggaacaggaacaggtatgaccat gattacgccaagcgcgcaattaaccctcactaaagggaacaaaagctggagctgcaagcttggccattgcattacgccaagctgcaagcttggccattgcattacgccaagctgcaagcttggccattgcattacgccaagctggagctgcaagcttggccattgcattacgccaagctggagctgcaagcttggccattgcattacgccaagctggagctgcaagctggagctgcaagctggagctggagctgcaagctggagctcgt caatgggtggagtatttacggtaaactgcccacttggcagtacatcaagtgtatcatatgccaagtacgccccctattgacgtcaatgacggtaaatggcccgcctggcattatgcccagtacatgaccttatgggactttcctacttggcagtacatctacgt attagt categorat taccategorat geograms at taggeogram ata agtot ccaccccatt gacgt caatggg agttt gtttt gg caccaaa at caacggg acttt ccaa aatgt cgt aacaact ccgccccattgacgcaaatgggcggtaggcgtgtacggtgggaggtctatataagcagagctcgtttagtgaaccggggtctct gtgette a agtagt gt gt geec gt et gt t gt gaet et gg taac tagag at ee cet caga ee cet titt agt ea gt gegaaa at et geech en de stagag at ee cet gegaa ee cet titt agt ea gegaa at ee cet en geech en de stagag at ee cet gegaa ee cet titt agt ea gegaa ee cet gegaa eectagcagtggcgcccgaacagggacctgaaagcgaaagggaaaccagagctctctcgacgcaggactcggcttgctga gagatgggtgcgagagcgtcagtattaagcgggggagaattagatcgcgatgggaaaaaaattcggttaaggccaggggg aaagaaaaaatataaaattaaaacatatagtatgggcaagcagggagctagaacgattcgcagttaatcctggcctgttagaaacatatagaacgattcgcagttaatcctggcctgttagaaacatatagaacgattcgcagttaatcctggcctgttagaaacatatagaacgattcgcagttaatcctggcctgttagaacatatagaacgattcgcagttaatcctggcctgttagaacgattcgcagttaatcctggcctgttagaacgattcgcagttaatcctggcctgttagaacgattcgcagttaatcctggcctgttagaacgattcgcagttaatcctggcctgttagaacgattcgcagttaatcctggcctgttagaacgattcgcagttaatcctggcctgttagaacgattcgcagttaatcctggcctgttagaacgattcgcagttagaacgattagaacatacagtagcaaccctctattgtgtgcatcaaaggatagagataaaagacaccaaggaagctttagacaagatagaggaag agcaaaacaaaagtaagaccaccgcacagcaagcggccgctgatcttcagacctggaggaggagatatgagggacaat gtgcagagagaaaaaaagagcagtgggaataggagctttgttccttgggttcttgggagcagcaggaagcactatgggcgc agcct caatgacgctgacggtacaggccagacaattattgtctggtatagtgcagcagcagaacaatttgctgagggctattgaggcgcaacagcatctgttgcaactcacagtctggggcatcaagcagctccaggcaagaatcctggctgtggaaagata Fig. 10 b (2 of 3)

cctaa aggat caa cag ctcctggggatttggggttgctctggaa aact catttgcaccactgctgtgccttggaatgctagttgcaacagacatacaaactaaagaattacaaaaacaaattacaaaaatttatagatcacgagactagcctcgagga gatetgateataateageeataceacatttgtagaggttttaettgetttaaaaaaceteeeacaceteeectgaacetgaaac ataaaatgaatgcaattgttgttgttaacttgtttattgcagcttataatggttacaaataaggcaatagcatcacaaatttcacaa ataaggcatttttttcactgcattctagttttggtttgtccaaactcatcaatgtatcttatcatgtctggatctcaaatccctcggaa getgegeetgtettaggttggagtgatacatttttateacttttaceegtetttggattaggeagtagetetgaeggeeeteetgt cttaggttagtgaaaaatgtcactctttacccgtcattggctgtccagcttagctcgcaggggaggtggtctggatccaccat gtctagagaataggaacttcggaataggaacttcgcggccgctttacttgtacagctcgtccatgccgagagtgatcccggc ggcggtcacgaactccagcaggaccatgtgatcgcgcttctcgttggggtctttgctcagggcggactgggtgctcaggtagtggttgtcgggcagcagcagggggccgtcgccgatgggggtgttctgctggtagtggtcggcgagctgcacgctgccg tcctcgatgttgtggcggatcttgaagttcaccttgatgccgttcttctgcttgtcggccatgatatagacgttgtggctgttgtagttgtactccagcttgtgccccaggatgttgccgtcctccttgaagtcgatgcccttcagctcgatgcggttcaccagggtgtc gccctcgaacttcacctcggcgcgggtcttgtagttgccgtcgtccttgaagaagatggtgcgctcctggacgtagccttcggg cat gg cg gact tg aagaag tcg tgct gct tcat gt gg tcg gg gt ag cg gct gaag cact gcac gcc gt ag gt cag gg tcg gg gact gaag cact gcac gcc gt ag gt cag gg tcg gg gact gaag cact gcac gcc gaag gc gg gact gaag cact gcac gcc gaag gc gact gaag cact gcac gcc gaag gc gact gaag cact gcac gc gaag gc gact gaag gcggtgaacagctcctcgcccttgctcaccatggttgtcgacccgacctgagggtgaccgggatctgcggggggaccctctgaaaagtgaaggataagtgacgagcggagacgggatggcgaacagacacaaacacacgagagaagaatgttaggact gttg caagtttact caaaaaat cag cact cttttatattat ggtttacataag catttacataag actt ggat ag att ccaaaaag aan actt ggat ag att ccaaaaag aan actt ggat ag att ccaaaaag actt ggat ag att agcataggeaagettgatategaatteecaeggggttggggttgegeetttteeaaggeageeetgggtttgegeagggaege ggetgetetgggegtggttecgggaaacgeagegggggegegaecetgggtetegeaeattetteaegteegttegeagegtgttcgcggcgtgccggacgtgacaaacggaagccgcacgtctcactagtaccctcgcagacggacagcgccagggagc aatggcagcgccgaccgcgatgggctgtggccaatagcggctgctcagcgggggcgcgccgagagcagcggccgg gaaggggggtgcgggaggcggtgtggggcggtagtgtgggccctgttcctgcccgcgcggtgttccgcattctgca agcetceggagegeacgteggeagteggetcectegttgacegaateacegacetetetceceagggggatececeggg gccatggacggccgccgcctgctgctgctgcttctgggggtgtcccttggaggtgccaaggaggcatgcccacagg cctgtacacacacagcggtgagtgctgcaaagcctgcaacctgggcgagggtgtggcccagccttgtggagccaaccag accgtgtgtgagccctgcctggacagcgtgacgttctccgacgtggtgagcggaccgagccgtgcaagccgtgcaccgagtgcgtggggctccagagcatgtcggcgccgtgcgtggaggccgacgacgccgtgtgccgctgcgcctacggctact accaggatgagacgactgggcgtgcggggtgccgggtgcggggtgcggggctcggggctcgtgttctcctgccaggacaagcagaacaccgtgtgcgaggagtgccccgacggcacgtattccgacgaggccaaccacgtggacccgtgcctgc cctgcaccgtgtgcgaggacaccgagcgccagctccgcgagtgcacacgctgggccgacgccgagtgcgaggagatc cctggccgttggattacacggtccacaccccagagggctcggacagcacagccccaggacccaggagcctgaggca cctccagaacaagacctcatagccagcacggtggcaggtgtggtgaccacagtgatgggcagctcccagcccgtggtga cccg agg caccaccg a caacct catccct g tct attgct ccatcct g g ct g t g g g cct g t g g g cct a catag ccc accept g t g g g cct g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct a catag ccc accept g t g g g cct accept g t g g g g cct accept g t g g g g cct accept g g g g cct accept g ccc accept gtgcactgtgtttgctgacgcaaccccactggttggggcattgccaccacctgtcagctcctttccgggactttcgctttcccc

Fig. 10b (3 of 3)

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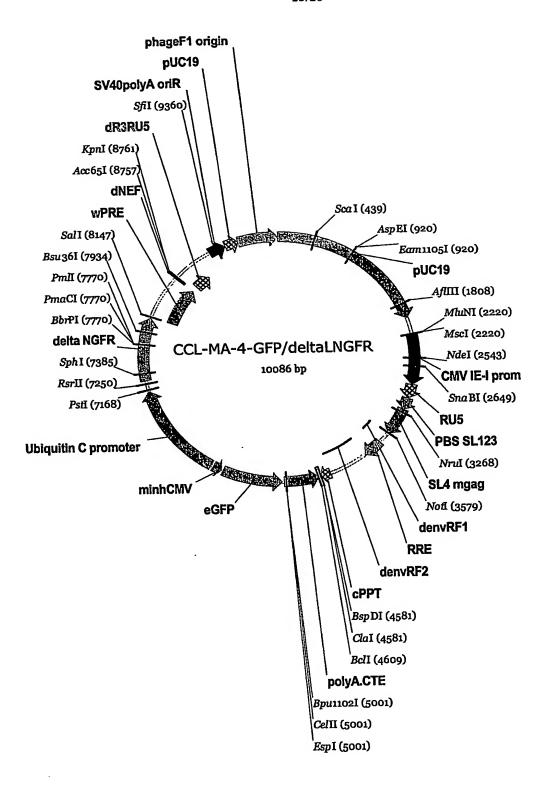


Fig. 11a

Fig. 11b (1 of 3)

caataaccct gataaat gcttcaataat at t gaaaa aggaa gatat gagtat t caacatt t ccgt g t cgccct t at t ccctt t tt the companion of the companion ofgcggcattttgccttcctgtttttgctcacccagaaacgctggtgaaagtaaaagatgctgaagatcagttgggtgcacgagt gggttacatcgaactggatctcaacagcggtaagatccttgagagttttcgccccgaagaacgttttccaatgatgagcactttatgacttggttgagtactcaccagtcacagaaaagcatcttacggatggcatgacagtaagagaattatgcagtgctgccat aaccatgagtgataacactgcggccaacttacttctgacaacgatcggaggaccgaaggagctaaccgcttttttgcacaac agccggtgagcgtgggtctcgcggtatcattgcagcactggggccagatggtaagccctcccgtatcgtagttatctacac gacggggagtcaggcaactatggatgaacgaaatagacagatcgctgagataggtgcctcactgattaagcattggtaact gtcagaccaagtttactcatatatactttagattgatttaaaacttcatttttaatttaaaaggatctaggtgaagatcctttttgata atctcatgaccaaaatcccttaacgtgagttttcgttccactgagcgtcagaccccgtagaaaagatcaaaggatcttcttgag atcetttttttetgegegtaatetgetgettgeaaacaaaaaaaceacegetaceageggtggtttgtttgeeggateaagaget accaact ctttttccgaaggtaactggcttcagcagagcgcagataccaaatactgtccttctagtgtagccgtagttaggccaccact to a agaact ctg tag caccgcct a catacct cgctct gct a at cctg ttaccagt ggct gct gcc agt ggc gat a agaact ctg tag caccgcct accact catacct cgctct gct and catacct gttaccagt ggc gat a again to the control of the cacagcccagcttggagcgaacgacctacaccgaactgagatacctacagcgtgagctatgagaaagcgccacgcttccc gaagggagaaaggcggacaggtatccggtaagcggcagggtcggaacaggagagcgcacgagggagcttccaggg cggagcctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctggccttttgctcacatgttctttcctg cagcgagtcagtgagcgaggaagcggaagagcgcccaatacgcaaaccgcctctccccgcgcgttggccgattcattaa tatgaccat gattacgccaagcgcgcaattaaccctcactaaagggaacaaaagctggagctgcaagcttggccattgcattacgccattgcattacgccaagctgcaagcttggccattgcattgcattacgccattgattacgccaagctggagctgcaagcttggccattgcattacgccattgcattacgccaagctggagctgcaagctggagctgcaagctggagctgcaagctggagctgcaagctggagctgcaagctggagctgcaagctggagctgcaagctggagctgcaagctggagctgcaagctggagctgcaagctggagctgcaagctggagctgcaagctggagctggagctggagctgcaagctggagctgcaagctggaggagctggagctggagctggagctggagctggagctggagctggagctggaacgttgtatccatatcataatatgtacatttatattggctcatgtccaacattaccgccatgttgacattgattattgactagttatta at a gta at caat tacggggt cattagt tcatagc ccata tatggagt tccgcgt tacataact tacggtaa at ggcccgcctggcgt caat gac gg taa at ggcccgcct ggcat tat gcccag tacat gac ctt at gggac ttt cct act t ggcag tacat ctac gt act to the contract of the contract grant grantattagt categoriat taccat ggt gat gcggtttt gg cag tacat caat gggcgt ggat ag cggttt gac tcac gggggat ttccategoriat gggggat to the state of the stateaagtotocacccattgacgtcaatgggagtttgttttggcaccaaaatcaacgggactttccaaaatgtcgtaacaactccg ccccattgacgcaaatgggcggtaggcgtgtacggtgggaggtctatataagcagagctcgtttagtgaaccggggtctct ctggttagaccagatctgagcctgggagctctctggctaactagggaacccactgcttaagcctcaataaagcttgccttga gtgette a agtagt gtgecegtet gttgt gtgactet ggtaact agagateect cagaccett ttagte agtgtggaaaatetctagcagtggcgcccgaacagggacctgaaagcgaaagggaaaccagagctctctcgacgcaggactcggcttgctga gagatgggtgcgagagcgtcagtattaagcgggggagaattagatcgcgatgggaaaaaaattcggttaaggccaggggg aaagaaaaaatataaattaaaacatatagtatgggcaagcagggagctagaacgattcgcagttaatcctggcctgttagaa acatcagaaggctgtagacaaatactgggacagctacaaccatcccttcagacaggatcagaagaacttagatcattatata agcaaaacaaaagtaagaccaccgcacagcaagcggccgctgatcttcagacctggaggaggagatatgagggacaatgtgcagagagaaaaaagagcagtgggaataggagctttgttccttgggttcttgggagcagcaggaagcactatgggcgc gaggcgcaacagcatctgttgcaactcacagtctggggcatcaagcagctccaggcaagaatcctggctgtggaaagata Fig. 11 b (2 of 3)

cctaa aggat caa cagct cctggggatttggggttgctctggaa aact catttgcaccactgctgtgccttggaatgctagtcaacagacatacaaactaaagaattacaaaaacaaattacaaaaatttaaaaattttatcgatcacgagactagcctcgagag at ctg at cata at cag ccatacca cattt g tag ag g tttt actt g ctttaaaaaaacctcccacacctccccct g aacct g aaacataaaatgaatgcaattgttgttgttaacttgtttattgcagcttataatggttacaaataaggcaatagcatcacaaatttcacaaatttaacttgtaacttgtaacttgtaacttgtaacttgtaacttgtaacttgtaacttgtaacttgtaacttgtaacttgtaacttaacttgtaagg catt tttttcactg cattctag ttttgg tttgtccaaactcatcaatg tatcttatcatg tctgg at ctcaaatccctcg gaag tatcttatcatg tctgg at ctcaaatccctcg gaag tatcttatcatg to the control of the controlctgcgcctgtcttaggttggagtgatacatttttatcacttttacccgtctttggattaggcagtagctctgacggccctcctgtct gaattggccgctttacttgtacagctcgtccatgccgagagtgatcccggcggcggtcacgaactccagcaggaccatgtg atcgcgcttctcgttggggtctttgctcagggcggactgggtgctcaggtagtggttgtcgggcagcagcaggagcaggccgtcgccgatgggggtgttctgctggtagtggtcggcgagctgcacgctgccgtcctcgatgttgtggcggatcttgaagttcacc ttgatgccgttcttctgcttgtcggccatgatatagacgttgtggctgttgtagttgtactccagcttgtgccccaggatgttgccgtcctccttgaagtcgatgcccttcagctcgatgcggttcaccagggtgtcgccctcgaacttcacctcggcgcgggtcttgt agttgccgtcgtccttgaagaagatggtgcgctcctggacgtagccttcgggcatggcggacttgaagaagtcgtgctgctt catgtggtcggggtagcggctgaagcactgcacgccgtaggtcagggtggtcacgagggtgggccagggcacgggca gcttgccggtggtgcagatgaacttcagggtcagcttgccgtaggtggcatcgccctcgccctcgccggacacgctgaact tgtggccgtttacgtcgccgtccagctcgaccaggatgggcaccaccccggtgaacagctcctcgcccttgctcaccatgg tga attccgcggaggctggatcggtcccggtgtcttctatggaggtcaaaacagcgtggatggcgtctccaggcgatctgatctgatcggaggtcaaaacagcgtggatggcgtctccaggcgatctgatctgatchappers and the second control of the control ocggttcactaaacgagctctgcttatataggcctcccaccgtacacgcctaccctcgagaagcttgattaacccgtgtcggctccagatetggcetcegegeggttttggcgcetccegegggegececetcetcaeggegagegetgccaegteagae gaagggcgcagcgagcgtcctgatccttccgcccggacgctcaggacagcggcccgctgctcataagactcggccttag ggctgttcccgagtcttgaatggaagacgcttgtaaggcgggctgtgaggtcgttgaaacaaggtggggggcatggtggg cggcaagaacccaaggtettgaggcettcgctaatgcgggaaagctettattcgggtgagatgggctggggcaccatctg gtggggccacctgccggtaggtgtgcggtaggcttttctccgtcgcaggacgcagggttcgggcctagggtaggctctcctgaatcgacaggcgccggacctctggtgaggggagggataagtgaggcgtcagtttctttggtcggttttatgtacctatcttc aatcatttgggtcaatatgtaattttcagtgttagactagtaaattgtccgctaaattctggccgtttttggcttttttgttagacgaa ggccgcgccatggacgggccgcgcctgctgctgttgctgcttctgggggtgtcccttggaggtgccaaggaggcatgcccca cagge ct g taca caca cag cgg tg ag tg ctg caa ag cct g caa cct gg g cg ag gg tg tg g cc cag cct tg tg ga g ccca g cct g cca g cct g ccca g ccca g ccca g cct g ccca gcaaccagaccgtgtgtgagccctgcctggacagcgtgacgttctccgacgtggtgagcgcgaccgagccgtgcaagccg ggctactaccaggatgagacgactgggcgctgcgaggcgtgccgcgtgtgcgaggcggggctcgggcctcgtgttctcct gccaggacaagcagaacaccgtgtgcgaggagtgccccgacggcacgtattccgacgaggccaaccacgtggacccg

Fig. 11b (3 of 3)

ggagatccctggccgttggattacacggtccacaccccagagggctcggacagcacagccccaggagcc tgagg cacctccagaacaagacctcatagccagcacggtggcaggtgtggtgaccacagtgatgggcagctcccagcccgtggtgacccgaggcaccaccgacaacctcatccctgtctattgctccatcctggctgctgtgggttgtgggccttgtggccta catagccttcaagaggtggaacagggggatcctctagagtcgagtctagagtcgacaatcaacctctggattacaaaatttgtgaaagattgactggtattcttaactatgttgctccttttacgctatgtggatacgctgctttaatgcctttgtatcatgctattgcttcccgtatggctttcattttctcctccttgtataaatcctggttgctgtctctttatgaggagttgtggcccgttgtcaggcaacgtgg cgtggtgtgcactgtgtttgctgacgcaacccccactggttggggcattgccaccacctgtcagctcctttccgggactttcg ctgacaattccgtggtgttgtcggggaagctgacgtcctttccatggctgctcgcctgtgttgccacctggattctgcgcggg gcgtcttcgccttcgcctcagacgagtcggatctccctttgggccgcctccccgcctggaattcgagctcggtacctttaag accaatgacttacaaggcagctgtagatcttagccactttttaaaagaaaaggggggactggaagggctaattcactcccaa cgaagacaagatctgctttttgcttgtactgggtctctctggttagaccagatctgagcctgggagctctctggctaactaggg gatccctcagacccttttagtcagtgtggaaaatctctagcagtagtagttcatgtcatcttattattcagtatttataacttgcaaa gaaatgaatatcagagagtgagaggaacttgtttattgcagcttataatggttacaaataaagcaatagcatcacaaatttcac aaataaagcatttttttcactgcattctagttgtggtttgtccaaactcatcaatgtatcttatcatgtctggctctagctatcccgcc ctctgagctattccagaagtagtgaggaggcttttttggaggcctaggcttttgcgtcgagacgtacccaattcgccctatagt gagtcgtattacgcgcgctcactggccgtcgttttacaacgtcgtgactgggaaaaccctggcgttacccaacttaatcgcct tgcagcacatccccctttcgccagctggcgtaatagcgaagaggcccgcaccgatcgcccttcccaacagttgcgcagcc totaa atcgggggctcccttt agggttccgattt agtgcttt acggcacctcgaccccaa aaaaaacttgatt agggtgat ggttccctt agggtgat agggttccctt agggtgat aggttccctt agggtgat agggttccctt agggtgat agggtgat agggttccctt agggtgat agggtgat agggttccctt agggtgat agggttccctt agggtgat agggttccctt agggtgat agggtgacgtagtgggccatcgcctgatagacggtttttcgccctttgacgttggagtccacgttctttaatagtggactcttgttccaaactggaacaacactcaaccctatctcggtctattcttttgatttataagggattttgccgatttcggcctattggttaaaaaatgag ctgatttaacaaaaatttaacgcgaattttaacaaaatattaacgtttacaatttcc

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